

BOISE IDAHO

FENCE GROUNDING TABLE GROUNDING FENCE DISTANCE FROM k۷ TRANSMISSION ¢ INTERVAL 500 200' <100' 500 500' 100' - 200' 345 400' <100 345 1000' 100' - 150' >230 50' - 100' 500' 100-230 WITHIN R/W 400' <100 1/4 MI WITHIN R/W * FENCE SECTIONS THAT ARE LESS
IN LENGTH THAN THE GROUNDING INTERVAL SHALL BE GROUNDED ONCE

SUB-NOTES

- * a DRIVEN DEPTH 36" (SEE CONCRETE BASE DETAIL & NOTE NO. 2). * b DRIVEN DEPTH 30" (SEE CONCRETE BASE DETAIL & NOTE NO. 2). * c BRACE PINS ARE 3/8" DIA. GALVANIZED STEEL, DRILL TIMBERS TO INSTALL
 - NOTES
- 1. ALL WOODEN POSTS AND HORIZONTAL BRACES SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AASHTO M 133. TIMBER DIAMETERS SHOWN SHALL BE MEASURED AT THE SMALL END. THE SMALL ENDS SHALL BE DRIVEN/SET IN THE SOIL. 2. END POSTS, BRACE POSTS AND LINE POSTS ARE RECOMMENDED TO BE MECHANICALLY DRIVEN INTO THE GROUND WHERE SOIL CONDITIONS PERMIT. WHERE SOIL CONDITIONS DO NOT PERMIT DRIVEN POSTS THE CONCRETE BASE SHALL BE INSTALLED (SEE CONCRETE BASE DETAIL)
- 3. TO ALLOW FOR EXPANSION AND CONTRACTION, DO NOT STAPLE THE WIRES TIGHT TO THE BRACE POSTS. THE STAPLES ARE 13/4" - 9 GAGE WITH SLASH CUT POINTS. THE STAPLES SHALL BE ZINC COATED IN ACCORDANCE WITH ASTM A 116, CLASS 1. 4. BRACE PINS, WIRE STAYS, SPIKES, TENSION INDICATOR SPRINGS, AND IN-LINE TIGHTENERS SHALL HAVE A ZINC COATING IN ACCORDANCE WITH ASTM A 116,
- 5. ALL FENCE WIRE SHALL BE BARBLESS DOUBLE WEAVE 12.5 GAGE STEEL WITH A MINIMUM OF 57,000 PSI TENSILE STRENGTH. THE WIRE SHALL BE ZINC COATED IN ACCORDANCE WITH ASTM A 116, CLASS 3
- 6 IN-LINE WIRE TIGHTENERS AND TENSION INDICATOR SPRINGS SHALL MEET THE
- a. IN-LINE WIRE TIGHTENERS AND TENSION INDICATOR SPRINGS SHALL BE USED WHEN CALLED FOR IN THE PLANS.
- b. THE IN-LINE WIRE TIGHTENERS AND TENSION INDICATOR SPRING SHALL BE A
- c. IN-LINE WIRE TIGHTENERS AND TENSION INDICATOR SPRINGS ARE TO BE USED
- d. TIGHTENERS ARE TO BE PLACED ON ALL THREE WIRE SETS. TIGHTENING FOR STRAIGHT RUNS SHOULD BE 80 TO 100 LBS. AND ON CRESTS AND DIPS SHOULD BE 50 TO 75 LBS. ROUNDED CORNERS ARE TIGHTENED THE SAME AS STRAIGHT
- e. TIGHTENERS ARE TO BE PLACED 5'TO 10'FROM A BRACE
- f. IN LINE WIRE TIGHTENERS SHALL BE INSTALLED BETWEEN EACH SET OF CORNER, EVEN TERRAIN LINE, AND RISE/DIP BRACES
- PROPER TENSION ON THE DIAGONAL BRACE TIGHTENERS IS TO BE ACCOMPLISHED BY TWISTING A MINIMUM OF 3 TO 5 TURNS. EACH DIAGONAL BRACE WIRE TIGHTENER SHALL CONSIST OF (2) COMPLETE WRAPS OF FENCE WIRE (THE WIRE TIE-OFF SHOULD BE OFFSET FROM THE POSITION OF THE TWIST LEVER). THE TWIST LEVER SHOULD BE SECURELY FASTENED AGAINST THE HORIZONTAL BRACE RAIL OR THE OPPOSING DIAGONAL BRACE TIGHTENER.
- 8. LINE WIRES SHOULD BE STAPLED TO THE BRACE POSTS ONLY AFTER TAKING UP PRELIMINARY TENSION OF APPROXIMATELY 50-80 LBS. ON EACH WIRE SET. 9. LINE WIRES SHALL BE STRUNG ON THE OUTSIDE (WILDLIFE SIDE) OF EVEN TERRAIN LINE BRACES AND RISE/DIP BRACES. LINE WIRES SHALL ALWAYS BE STRUNG ON THE EXTERIOR ANGLE SIDE OF CORNER BRACES
- 10. THE MAXIMUM FENCE RUN BETWEEN BRACE PANELS SHALL BE 1320 FEET. 11. ALL WILDLIFE FENCE LINE WIRE SHALL BE GROUNDED ACCORDING TO THE "FENCE GROUNDING TABLE" ACCORDING TO THE METHOD SHOWN ON "GROUNDING
- 12. IN-LINE WIRE SPICES SHALL BE SPLICED ACCORDING TO THE METHOD SHOWN IN THE "WIRE SPLICES" DETAIL. WIRE TIE-OFFS AND TERMINAL ENDS

English STANDARD DRWG. NO F-2-E

SHEET 1 OF

ENGINEER * ORD